

ABSTRACT

The present invention relates to a method of screening a physiologically active substance, comprising the steps of (1) contacting a transformed yeast with a test sample, wherein the transformed yeast is capable of expressing a heterogeneous protein, and shows a change in a growing state in an expression state of the protein as compared to that in a non-expression state of the protein; (2) culturing the yeast under conditions that the protein is capable of being expressed; and (3) measuring the growing state of the yeast, wherein the physiologically active substance is judged to be present in the test sample in a case where the growth of the yeast is lowered or improved in the presence of the test sample as compared to that in the absence of the test sample as a control; an yeast to be used in the method; a physiologically active substance obtainable by the method of screening as defined above; and a kit for screening a physiologically active substance, comprising the yeast as defined above.